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MISSION
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EARLY WARNING RADAR SITE

HAI-TAN TAO, CHINA

1. SIGNIFICANCE: AN EARLY WARNING RADAR SITE IN SOUTHEAST CHINA.
2. REMARKS: THIS IS ONE OF THREE RADAR SITES LOCATED ON HAI-TAN TAO (ISLAND). ONE SITE, LOCATED AT 2530N 11944E, CONTAINS AN UNIDENTIFIED PROBABLE RADAR. A SECOND SITE, LOCATED AT 2535N 11950E, CONTAINS ONE CROSS SLOT RADAR.
3. LOCATION: 2.5 NM SOUTHEAST OF LIU-SHUI AT 2533N 11952E.
4. SIGINT:

CARRIES TWO CROSS SLOT, ONE FISH NET, ONE RUS-2, ONE TACHI 18, AND FOUR SCR-270 RADARS IN THE HAI-TAN TAO AREA.
5. FIRST IDENTIFICATION:
6. NEGATION DATE: NONE.
7. SUBSEQUENT COVERAGE: 5 BOWTIE AND 2 MISSIONS.

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GROUP 1
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8. DIMENSIONS/
SPECIFICATIONS:

THE SCR-270 RADAR CAN ACQUIRE AND TRACK MEDIUM BOMBERS AT RANGES OF 100 TO 125 NM WITH AN ACCURACY OF ABOUT PLUS-OR-MINUS 4 MILES IN RANGE AND PLUS-OR-MINUS FOUR DEGREES IN AZIMUTH. SEE ATTACHED DRAWING (REPRODUCED FROM [REDACTED])

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THE CROSS SLOT RADAR IS A NATIVE CHICOM DEVELOPMENT WHICH HAS BEEN PRIMARILY DEPLOYED AS AN EARLY WARNING RADAR FOR THE COASTAL DEFENSE OF CHINA. RADAR RANGE CALCULATIONS INDICATE THAT CROSS SLOT CAN ACQUIRE AND TRACK A B-52 IN NOSE-ON ASPECT AT DISTANCES UP TO 125 OR 130 NM. THIS RADAR IS NOT BELIEVED TO HAVE ANY ANTI-JAMMING FEATURES. SEE ATTACHED DRAWING (REPRODUCED FROM [REDACTED])

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THE FISH NET RADAR IS THE INTERROGATOR OF THE OLDER IFF SYSTEM RADAR USED IN CONJUNCTION WITH GROUND RADAR FOR IDENTIFYING AIRBORNE TARGETS AS EITHER FRIEND OR FOE. IT HAS AN ESTIMATED PEAK POWER OF ONE KILOWATT AND A MAXIMUM RELIABLE RANGE OF 200 NM. SEE ATTACHED DRAWING (REPRODUCED FROM THE "FOREIGN RADAR RECOGNITION GUIDE", 1 SEPTEMBER 1959).

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9. MISSION READOUT: THIS MISSION REVEALS A TRIPLE-SECURED RADAR SITE CONSISTING OF ONE SCR-270 RADAR, ONE CROSS-SLOT RADAR, A FISH NET IFF GROUND INTERROGATOR (LYING ON THE GROUND), 4 SUPPORT BUILDINGS, AND 4 UNDERGROUND ENTRANCES.

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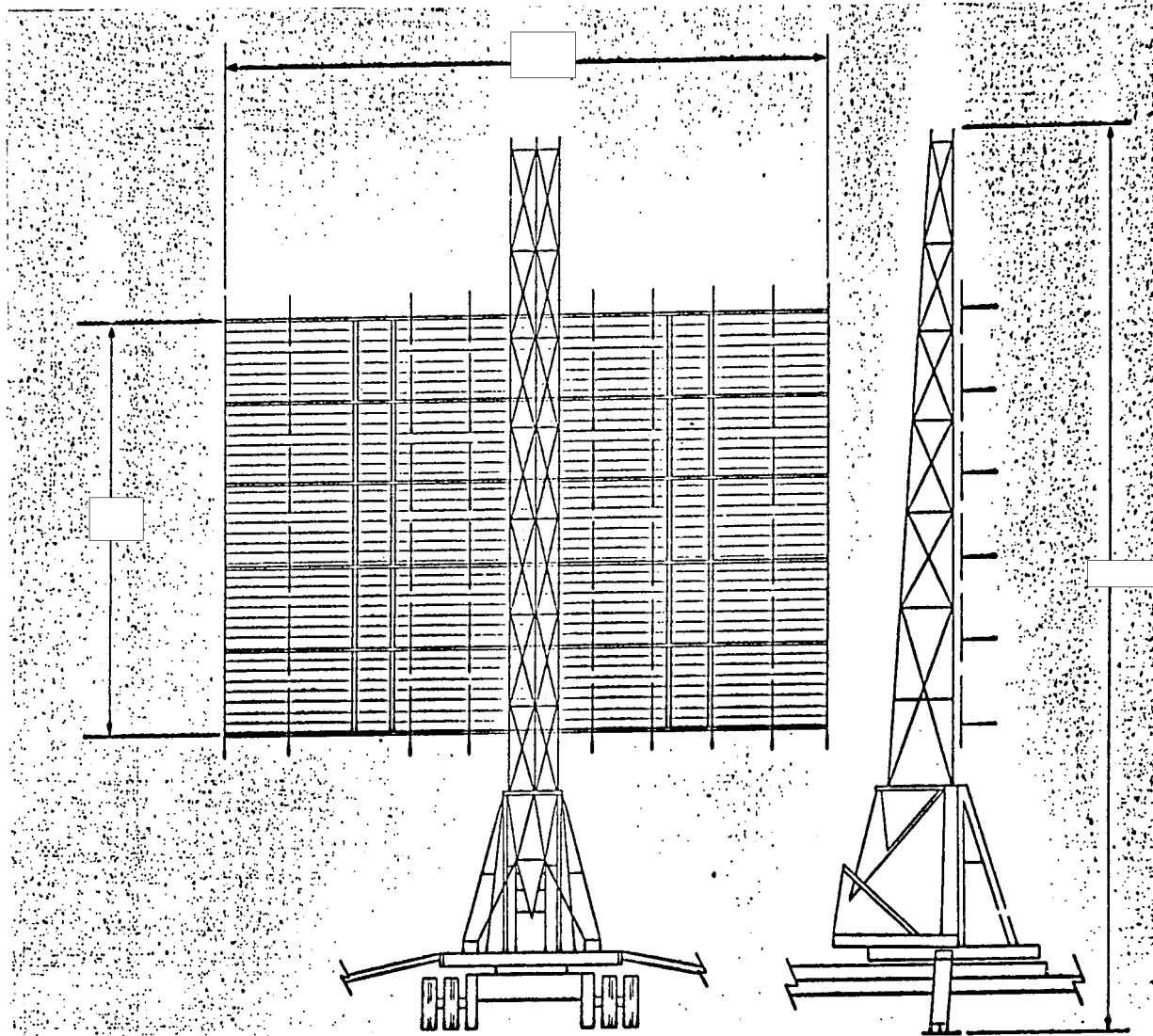
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SCR-270 RADAR

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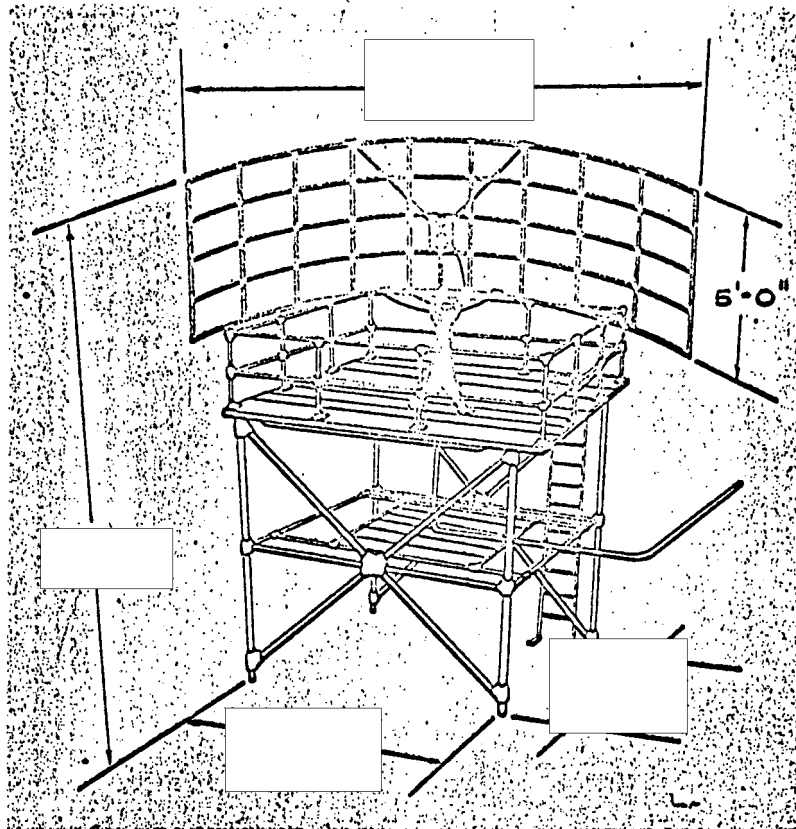
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CROSS SLOT RADAR

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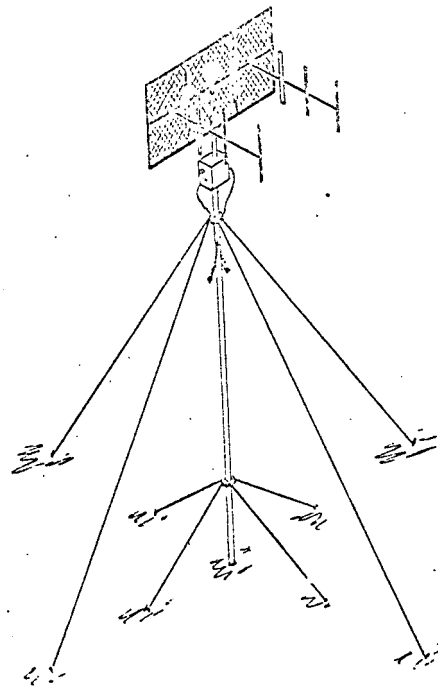
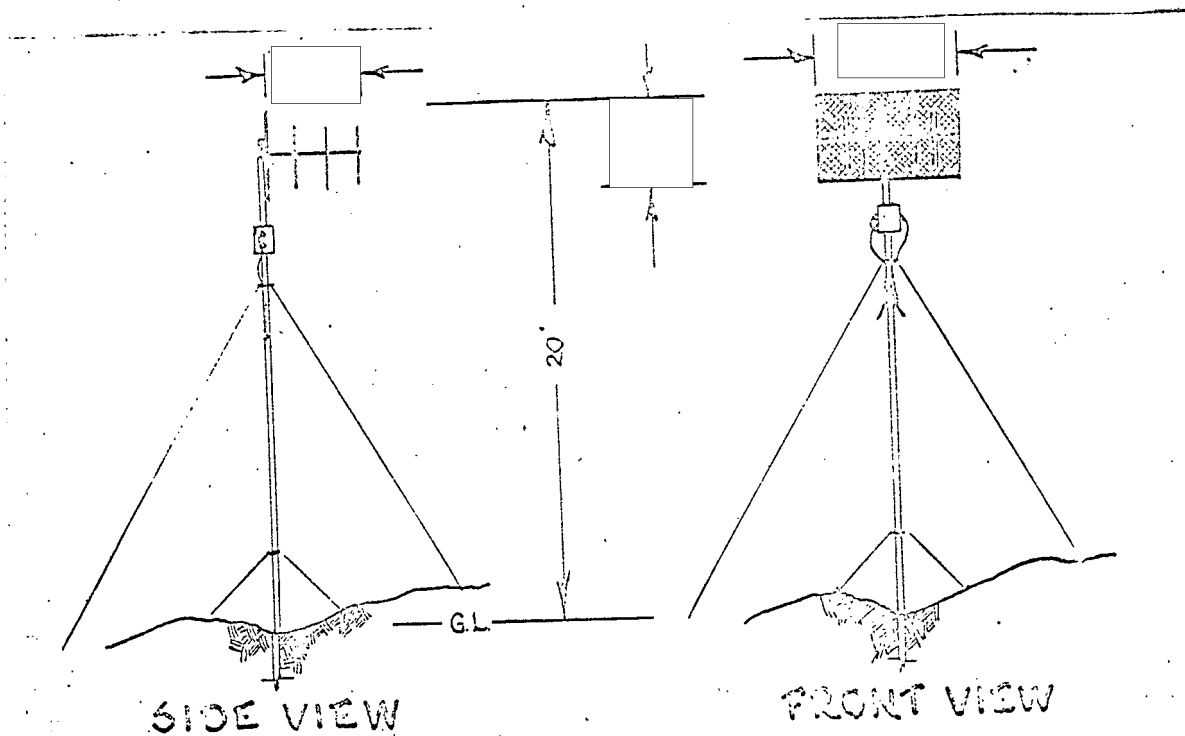
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FISH NET RADAR

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PREPARED BY: NPIC/CSD

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